



#14

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Title: SUPEROX PROCESS FOR
INCREASING PROCESSING CAPACITY
OF SULFUR RECOVERY FACILITIES

Inventor(s): Thomas King Tong Chow
Assignee(s): Parsons Energy & Chemicals
Group, Inc.

Serial No.: 09/596892

Filing Date: 6/19/2000

Group No.: 1754

Examiner: Timothy Vanoy

Attorney Docket No.: 9905.1P7

**AMENDMENT AND REQUEST FOR
RECONSIDERATION**

Assistant Commissioner for Patents
Washington, DC 20231

RECEIVED
FEB 03 2003
OFFICE OF PETITIONS

Sir:

In response to the last Office Action, Applicant respectfully requests entry of amendments to the above application as follows:

Appendix 1 is attached and incorporated into this amendment made in the above application and contains the amended paragraphs of the specification and/or claims in the form showing stricken material in brackets and new material as underlined.

Specification and Abstract:

Please amend Page 1, lines 8 to 10, as follows:

The present invention relates to a process for obtaining elemental sulfur from gas comprising hydrogen sulfide and optionally sulfur dioxide. The present invention also relates to retrofitting existing sulfur recovery units for greater than about 25% increase in sulfur recovery.

Please amend Page 1, lines 15 to 20, as follows:

In a well known method for practicing the modified Claus process, an acid gas feed comprising at least more than about 30 mole percent hydrogen sulfide mixed with a process air stream, the mixture being ignited to form an open flame or flames within a furnace. About one third of the hydrogen sulfide in the acid gas feed which is not converted to elemental sulfur in the furnace is thermally oxidized with the

DO NOT ENTER
FEB 27 03